Prysmian Group

PRYSMIAN

Draka

FIBER OPTIC CABLE FOR NUCLEAR APPLICATIONS

The Prysmian Group has provided fiber optic cables for the nuclear Industry through its legacy companies for over 30 years. Our cables are specifically designed to be used in nuclear power plants for communications links, data networks, emergency system repairs, security and video monitoring.

We offer an array of fiber types from single-mode and multimode varieties as well as specialty fibers such as BendBright® bend insensitive and radiation resistant fiber. The cables are made with materials to meet IEEE 383, IEEE 1202 as well as other flame ratings commonly used in the nuclear industry. These rugged, yet light weight cable constructions are built to conform to industry standards and Nuclear Regulatory Commission (NRC) guidelines. Prysmian has undergone stringent qualifications to guarantee full compliance to nuclear quality assurance programs including 10CFR50 Appendix B to ensure the highest level of performance under all conditions and provide products for both safety and non-safety related conditions.

LSZH (Low-Smoke Zero-Halogen Cables)

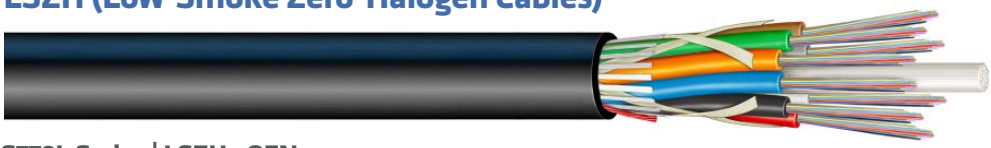
S690T Series | Riser FT4 - LSZH

2.5 mm tight buffered breakout style cables within a low-smoke zero-halogen (LSZH) construction are designed for superior fire safety. Each fiber is encased in an individually jacketed sub component to provide easy connectivity and rugged performance. The cable meets the flame requirements of IEEE 383 and NEC Article 770 (Type OFNR) and CSA FT-4.

S691T Series | Riser FT4 - LSZH

900 um tight buffered distribution style cables within a low-smoke zero-halogen (LSZH) construction are designed for superior flame retardance. These cables offer a compact design to provide enhanced performance where size and space is a concern. The cable meets the flame requirements of IEEE 383 and NEC Article 770 (Type OFNR) and CSA FT-4.

LSZH (Low-Smoke Zero-Halogen Cables)



S779L Series | LSZH - OFN

Loose tube gel-filled construction with overall dry water blocking technology to provide water and moisture protection within a low-smoke zero-halogen (LSZH) construction for superior flame retardance is suitable for both indoor and outdoor installation. The cable meets the flame requirements of IEEE 383 and NEC Article 770 (Type OFN-LS).

S5014L Series | Riser FT4 - LSZH

Gel-free loose tube cable with dry water blocking technology provides water and moisture protection within a low smoke zero halogen (LSZH) construction. The cable meets the flame requirements of IEEE 383 and NEC Article 770 (Type OFNR) and CSA FT-4.

Plenum Cables

S753T Series | Plenum

2.5 mm tight buffered breakout style cables within a fluoropolymer are OFNP rated (plenum) construction for maximum flame retardance and suitability for installation in NEC air handling plenum spaces. Each fiber is encased in an individually jacketed sub component, to provide ease of connectivity and rugged performance. The cable meets the flame requirements of IEEE 383 and NEC Article 770 (Type OFNP) and CSA FT-6.

Optional Features:

- Aluminum or steel interlock armor
- Composite copper and fiber cables
- Alternate sheath designs including double jackets and special identification, such as stripes and colors

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